

The diagram illustrates a smart home system with the following components and connections:

- Central Network (110):** A horizontal line representing the main communication bus, featuring two T-junctions for connecting devices.
- Server/Database (104):** A rectangular block connected to the central network.
- Router (110):** A rectangular block connected to the central network.
- Smart Plug (108):** Two square blocks with a switch symbol, connected to the central network. One is connected to a microwave oven, and the other is connected to a coffee maker.
- Smart Plug (114):** A square block with a switch symbol, connected to the central network and a bread maker.
- Smart Plug (124):** A square block with a switch symbol, connected to the central network and a coffee maker.
- Smart Plug (126):** A square block with a switch symbol, connected to the central network and a bread maker.
- Smart Plug (128):** A square block with a switch symbol, connected to the central network and a bread maker.
- Smart Plug (130):** A square block with a switch symbol, connected to the central network and a bread maker.
- Smart Plug (132):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (134):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (136):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (138):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (140):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (142):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (144):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (146):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (148):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (150):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (152):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (154):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (156):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (158):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (160):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (162):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (164):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (166):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (168):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (170):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (172):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (174):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (176):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (178):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (180):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (182):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (184):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (186):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (188):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (190):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (192):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (194):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (196):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (198):** A square block with a switch symbol, connected to the central network and a microwave oven.
- Smart Plug (200):** A square block with a switch symbol, connected to the central network and a microwave oven.

FIG. 1

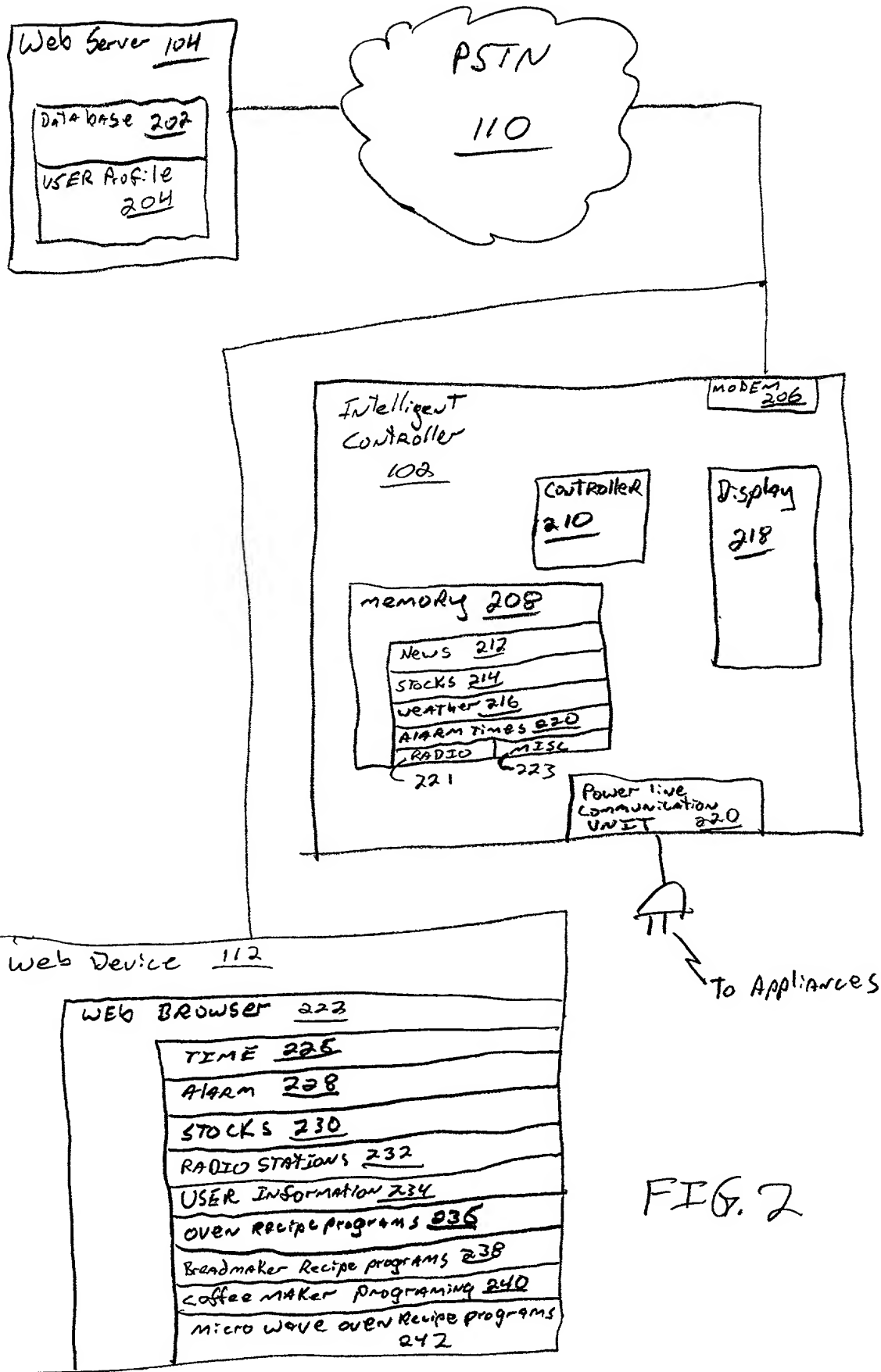


FIG. 2

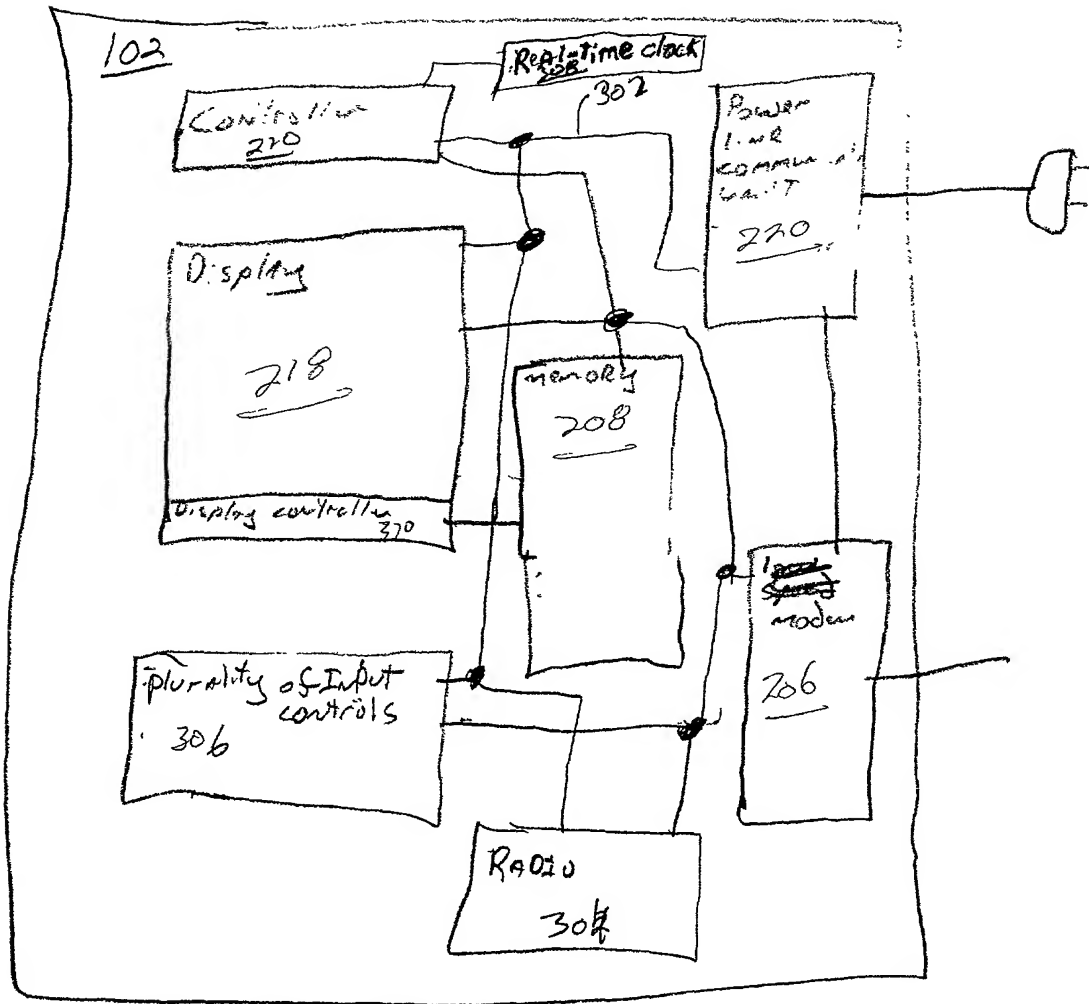


FIG. 3

Radio Locator - Microsoft Internet Explorer

Please select radio presets from the list below. You may set a maximum of

| Available FM Stations |           |             |       | Selected Stations                   | Current   |
|-----------------------|-----------|-------------|-------|-------------------------------------|-----------|
| Freq                  | Call Sign | City        | State |                                     | Call Sign |
| 88.1                  | KDHX      | ST. LOUIS   | MO    | <input checked="" type="checkbox"/> | 01 KMJM-F |
| 89.1                  | KCLC      | ST. CHARLES | MO    | <input checked="" type="checkbox"/> | 02 KDHX   |
| 89.5                  | KNLH      | CEDAR HILL  | MO    | <input checked="" type="checkbox"/> | 03 KCLC   |
| 89.7                  | KYMC      | BALLWIN     | MO    | <input checked="" type="checkbox"/> | 04 KNLH   |
| 89.9                  | KGNA-FM   | ARNOLD      | MO    | <input checked="" type="checkbox"/> | 05 KYMC   |
| 90.7                  | KWMU      | ST. LOUIS   | MO    | <input checked="" type="checkbox"/> | 06 WRYT   |
| 91.5                  | KSIV-FM   | ST. LOUIS   | MO    | <input checked="" type="checkbox"/> | 07 KGNA-F |
| 92.3                  | WIL-FM    | ST. LOUIS   | MO    | <input type="checkbox"/>            | 08 KWMU   |
| 93.3                  | KNSX      | STEELVILLE  | MO    | <input type="checkbox"/>            | 09 KSIV-F |
| 93.7                  | KSD       | ST. LOUIS   | MO    | <input type="checkbox"/>            | 10 KFMO   |
| 94.7                  | KSHE      | CRESTWOOD   | MO    | <input checked="" type="checkbox"/> | 11 KSHE   |
|                       |           |             |       |                                     | 12 KIHT   |
|                       |           |             |       |                                     | 13 KFTK   |
|                       |           |             |       |                                     | 14 KHCR   |
|                       |           |             |       |                                     | 15 KSIV   |
|                       |           |             |       |                                     | 16 KFMO   |

Done

232

FIG 4

Alarm Settings - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://www.foxnews.com/.../...

edit profile login Program appliances Contact Us Help

Please set alarm schedule for each day of the week.

502 504 506 508

| Set Schedule |         |    |    |                 | Current                             |          |
|--------------|---------|----|----|-----------------|-------------------------------------|----------|
| Day          | On Time |    |    | Wake-up Station | Active                              | Day On T |
| Sunday       | 01      | 00 | am | No Station      | <input type="checkbox"/>            | S 01:01  |
| Monday       | 07      | 05 | am | 01 KDHX-FM      | <input checked="" type="checkbox"/> | M 07:05  |
| Tuesday      | 07      | 30 | am | No Station      | <input checked="" type="checkbox"/> | T 07:31  |
| Wednesday    | 07      | 45 | am | No Station      | <input checked="" type="checkbox"/> | W 07:31  |
| Thursday     | 07      | 55 | am | 03 KNLH-FM      | <input checked="" type="checkbox"/> | T 07:45  |
| Friday       | 07      | 40 | am | 08 WMLL-AM      | <input checked="" type="checkbox"/> | F 07:51  |
| Saturday     | 01      | 00 | am | No Station      | <input type="checkbox"/>            | S 01:01  |

[Update Alarm Schedule](#)

[Return to Program](#)

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FIG 5

608

610

562

604

230

FJ 6. 6

BreadMaker - Pre-mix - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://www.breadmaker.com/

Home Search Favorites History

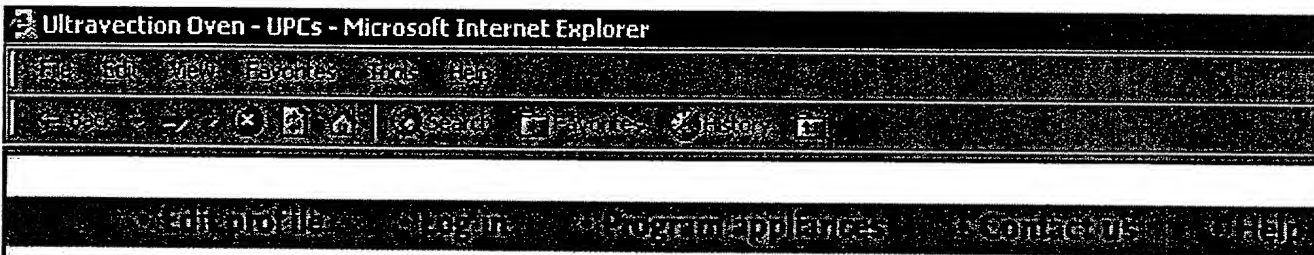
Home Login Program Appliances Contents Help

Please select pre-mixed bread programs from the list below. You may set a maximum of 20 pre-mixed bread programs.

| Name                             | UPC      | Selected                            |
|----------------------------------|----------|-------------------------------------|
| <u>Carrot Raisin</u>             | 89713578 | <input checked="" type="checkbox"/> |
| <u>Peach</u>                     | 23454872 | <input checked="" type="checkbox"/> |
| <u>Banana</u>                    | 56372623 | <input type="checkbox"/>            |
| <u>Southern Barley</u>           | 76236477 | <input type="checkbox"/>            |
| <u>Sunflower and Sesame Seed</u> | 59834267 | <input checked="" type="checkbox"/> |
| <u>White Wheat</u>               | 26835733 | <input type="checkbox"/>            |
| <u>Sourdough</u>                 | 34748634 | <input type="checkbox"/>            |
| <u>Country White</u>             | 34735256 | <input checked="" type="checkbox"/> |
| <u>Lemon Walnut</u>              | 23452648 | <input checked="" type="checkbox"/> |
| <u>Pumpkin</u>                   | 24535676 | <input type="checkbox"/>            |

Done

FIG. 7



Please select ultravection programs from the list below.  
You may set a maximum of 20 Ultravection programs.

| Search Results                     |          |                                     |
|------------------------------------|----------|-------------------------------------|
| Name                               | UPC      | Selected                            |
| <u>Old El Paso Nachos</u>          | 89713578 | <input checked="" type="checkbox"/> |
| <u>Oscar Mayer Wieners</u>         | 23454872 | <input checked="" type="checkbox"/> |
| <u>Betty Crocker Brownies</u>      | 56372623 | <input type="checkbox"/>            |
| <u>Sara Lee Chicken Cacciatore</u> | 76236477 | <input type="checkbox"/>            |
| <u>Kraft Macaroni and Cheese</u>   | 59834267 | <input checked="" type="checkbox"/> |
| <u>Ore Ida Cajun French Fries</u>  | 26835733 | <input type="checkbox"/>            |
| <u>Old El Paso Nachos</u>          | 89713578 | <input checked="" type="checkbox"/> |
| <u>Oscar Mayer Wieners</u>         | 23454872 | <input checked="" type="checkbox"/> |
| <u>Betty Crocker Brownies</u>      | 56372623 | <input type="checkbox"/>            |
| <u>Sara Lee Chicken Cacciatore</u> | 76236477 | <input type="checkbox"/>            |
| <u>Old El Paso Nachos</u>          | 89713578 | <input checked="" type="checkbox"/> |
| <u>Oscar Mayer Wieners</u>         | 23454872 | <input checked="" type="checkbox"/> |
| <u>Betty Crocker Brownies</u>      | 56372623 | <input type="checkbox"/>            |
| <u>Sara Lee Chicken Cacciatore</u> | 76236477 | <input type="checkbox"/>            |
| <u>Kraft Macaroni and Cheese</u>   | 59834267 | <input checked="" type="checkbox"/> |
| <u>Ore Ida Cajun French Fries</u>  | 26835733 | <input type="checkbox"/>            |

FIG. 8



Coffeemaker Settings - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://www.904.com/

Home Page

Please set brew schedule for each day of the week.

902

| Set Schedule |         |    |    |   |          |    |    |
|--------------|---------|----|----|---|----------|----|----|
| Day          | On Time |    |    |   | Off Time |    |    |
| Sunday       | 09      | 00 | am | - | 11       | 00 | am |
| Monday       | 06      | 45 | am | - | 07       | 30 | am |
| Tuesday      | 06      | 45 | am | - | 08       | 15 | am |
| Wednesday    | 06      | 45 | am | - | 08       | 15 | am |
| Thursday     | 06      | 45 | am | - | 08       | 15 | am |
| Friday       | 06      | 45 | am | - | 08       | 15 | am |
| Saturday     | 08      | 00 | am | - | 02       | 00 | pm |

904

906

912

| Current |         |
|---------|---------|
| Day     | On Time |
| S       | 09:00a  |
| M       | 06:45a  |
| T       | 06:45a  |
| W       | 06:45a  |
| T       | 06:45a  |
| F       | 06:45a  |
| S       | 08:00a  |

908

910

Update Brew Schedule

Return to Program

914

Done

240

FIG. 9

Microwave - UPCs - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History

My Profile Login Program Appliance Configuration Help

Please select microwave programs from the list below. You may set a maximum of 20 Microwave programs.

| Name                               | UPC      | Selected                            |
|------------------------------------|----------|-------------------------------------|
| <u>Old El Paso Nachos</u>          | 89713578 | <input checked="" type="checkbox"/> |
| <u>Oscar Mayer Wieners</u>         | 23454872 | <input checked="" type="checkbox"/> |
| <u>Betty Crocker Brownies</u>      | 56372623 | <input type="checkbox"/>            |
| <u>Sara Lee Chicken Cacciatore</u> | 76236477 | <input type="checkbox"/>            |
| <u>Kraft Macaroni and Cheese</u>   | 59834267 | <input checked="" type="checkbox"/> |
| <u>Ore Ida Cajun French Fries</u>  | 26935733 | <input type="checkbox"/>            |
| <u>Old El Paso Nachos</u>          | 89713578 | <input checked="" type="checkbox"/> |
| <u>Oscar Mayer Wieners</u>         | 23454872 | <input checked="" type="checkbox"/> |
| <u>Betty Crocker Brownies</u>      | 56372623 | <input type="checkbox"/>            |
| <u>Sara Lee Chicken Cacciatore</u> | 76236477 | <input type="checkbox"/>            |
| <u>Old El Paso Nachos</u>          | 89713578 | <input checked="" type="checkbox"/> |
| <u>Oscar Mayer Wieners</u>         | 23454872 | <input checked="" type="checkbox"/> |
| <u>Betty Crocker Brownies</u>      | 56372623 | <input type="checkbox"/>            |
| <u>Sara Lee Chicken Cacciatore</u> | 76236477 | <input type="checkbox"/>            |
| <u>Kraft Macaroni and Cheese</u>   | 59834267 | <input checked="" type="checkbox"/> |

FIG. 1D

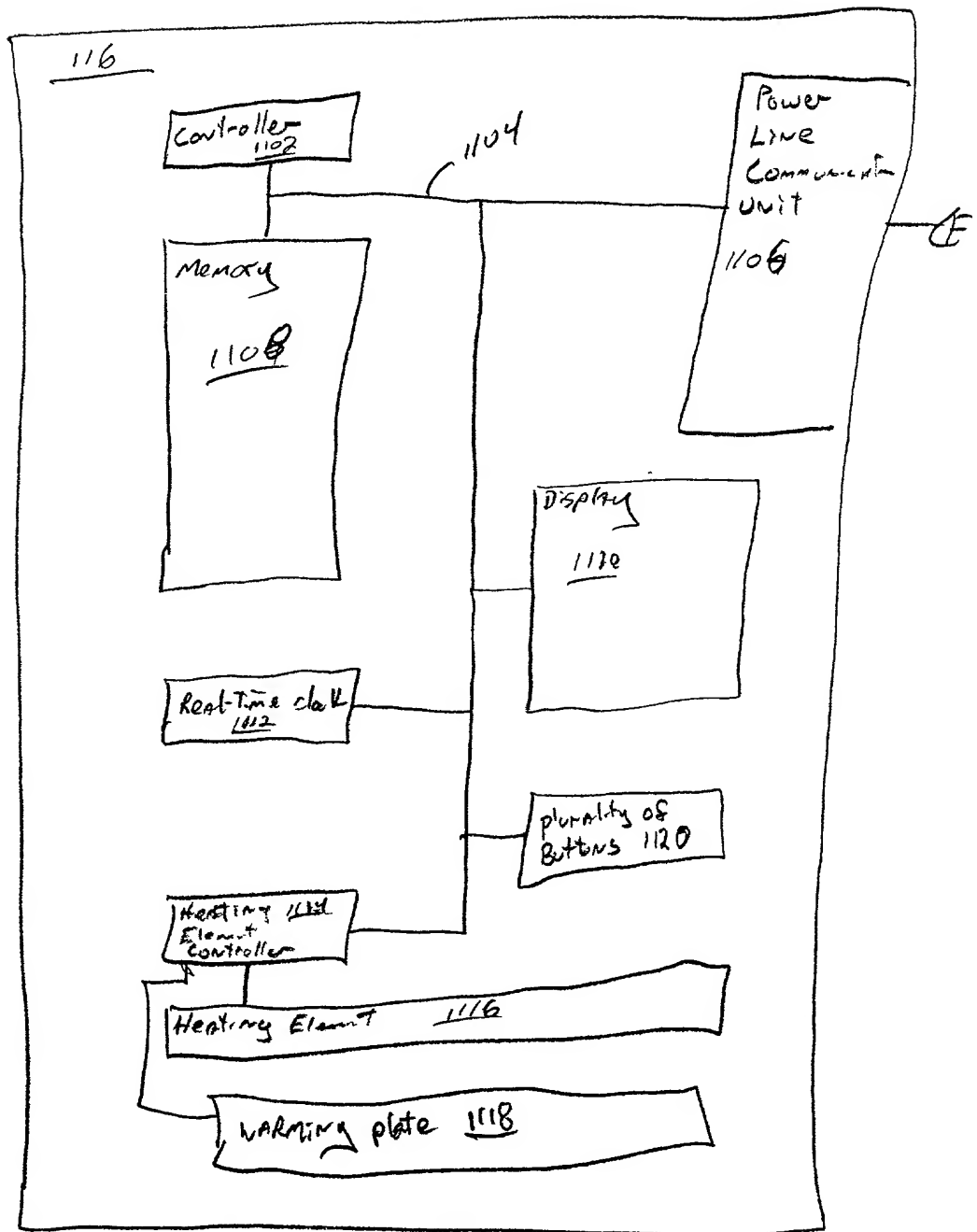


FIG. 11

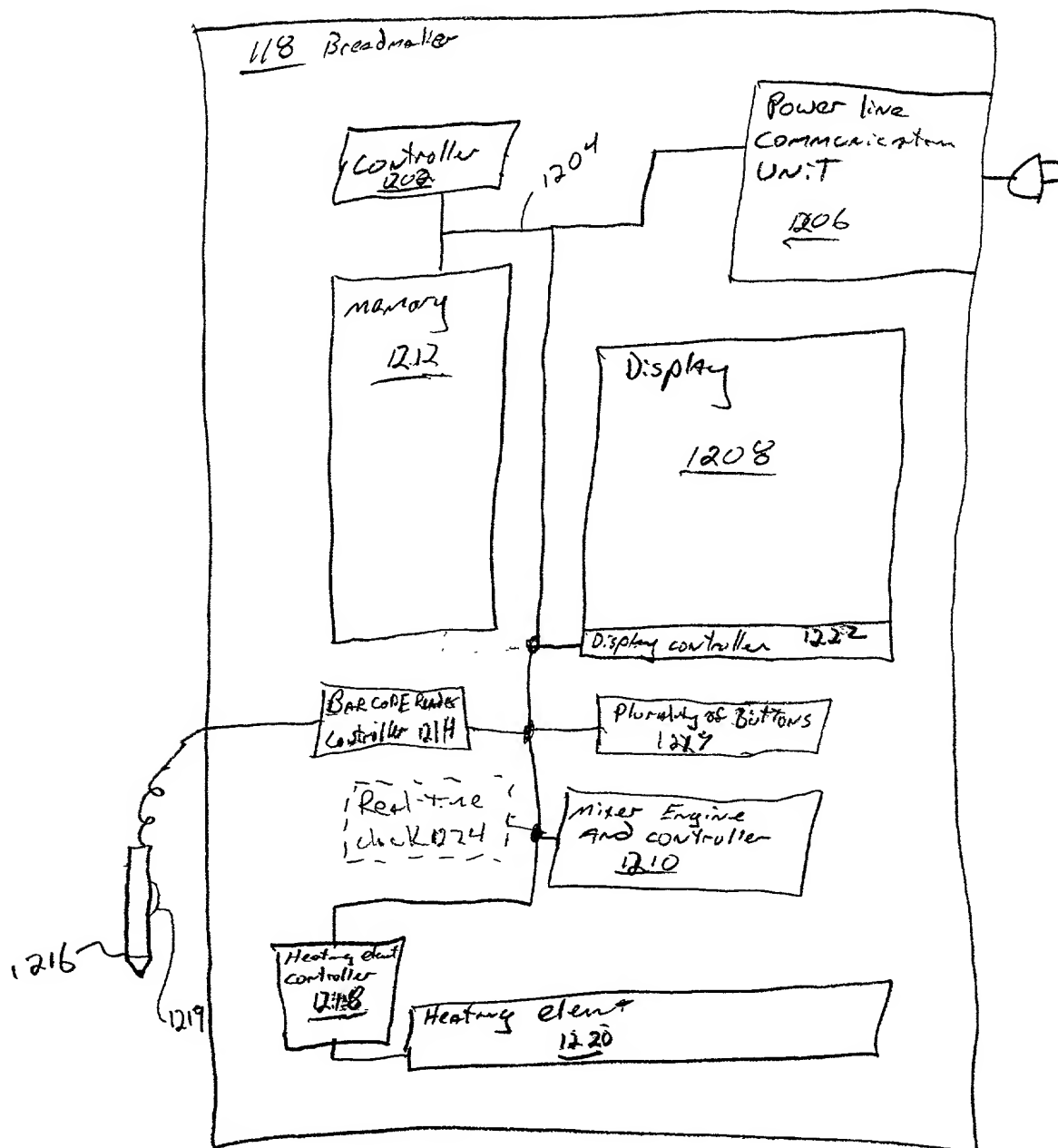


FIG. 12

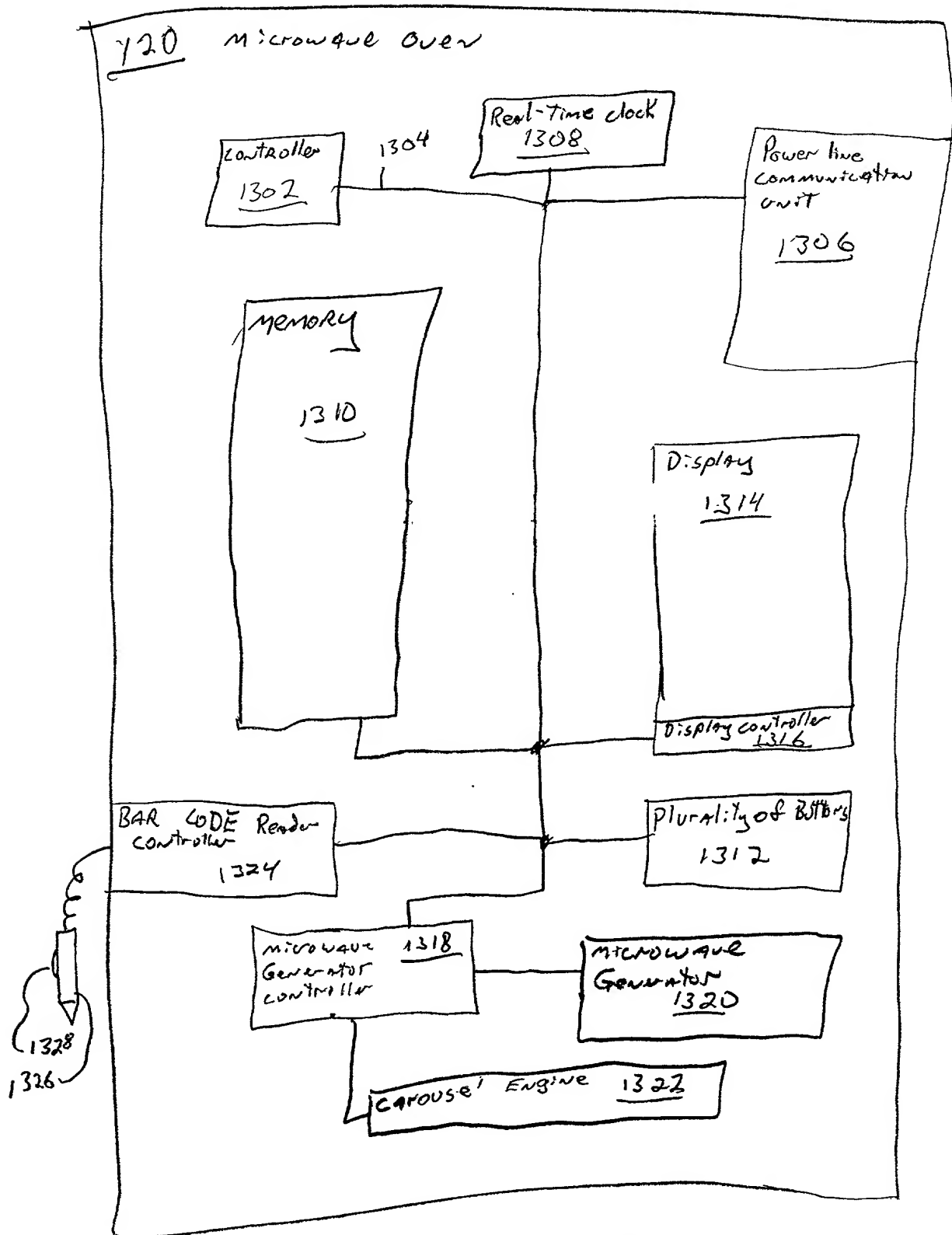


FIG. 13

FIG. 14

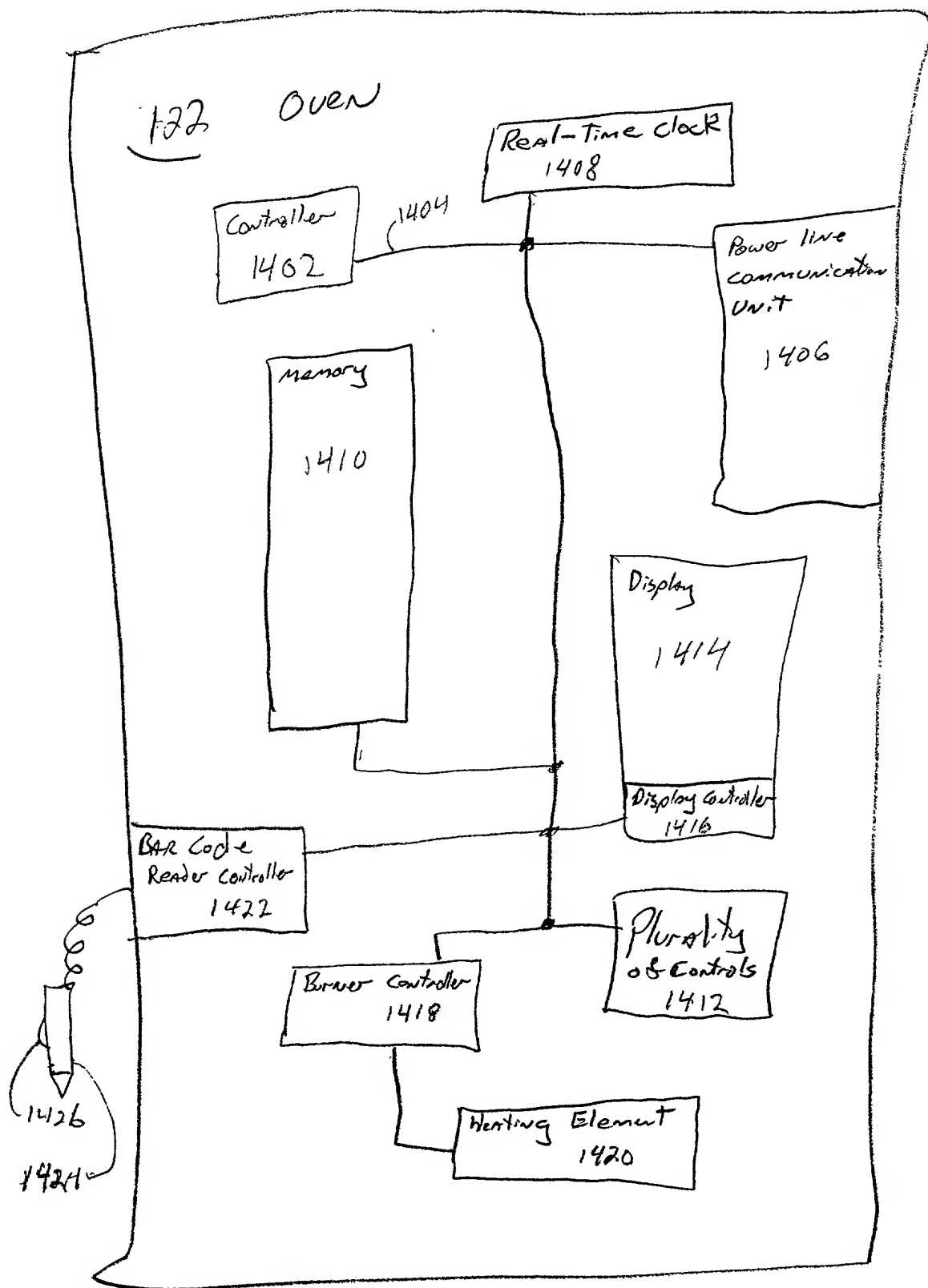


FIG. 14

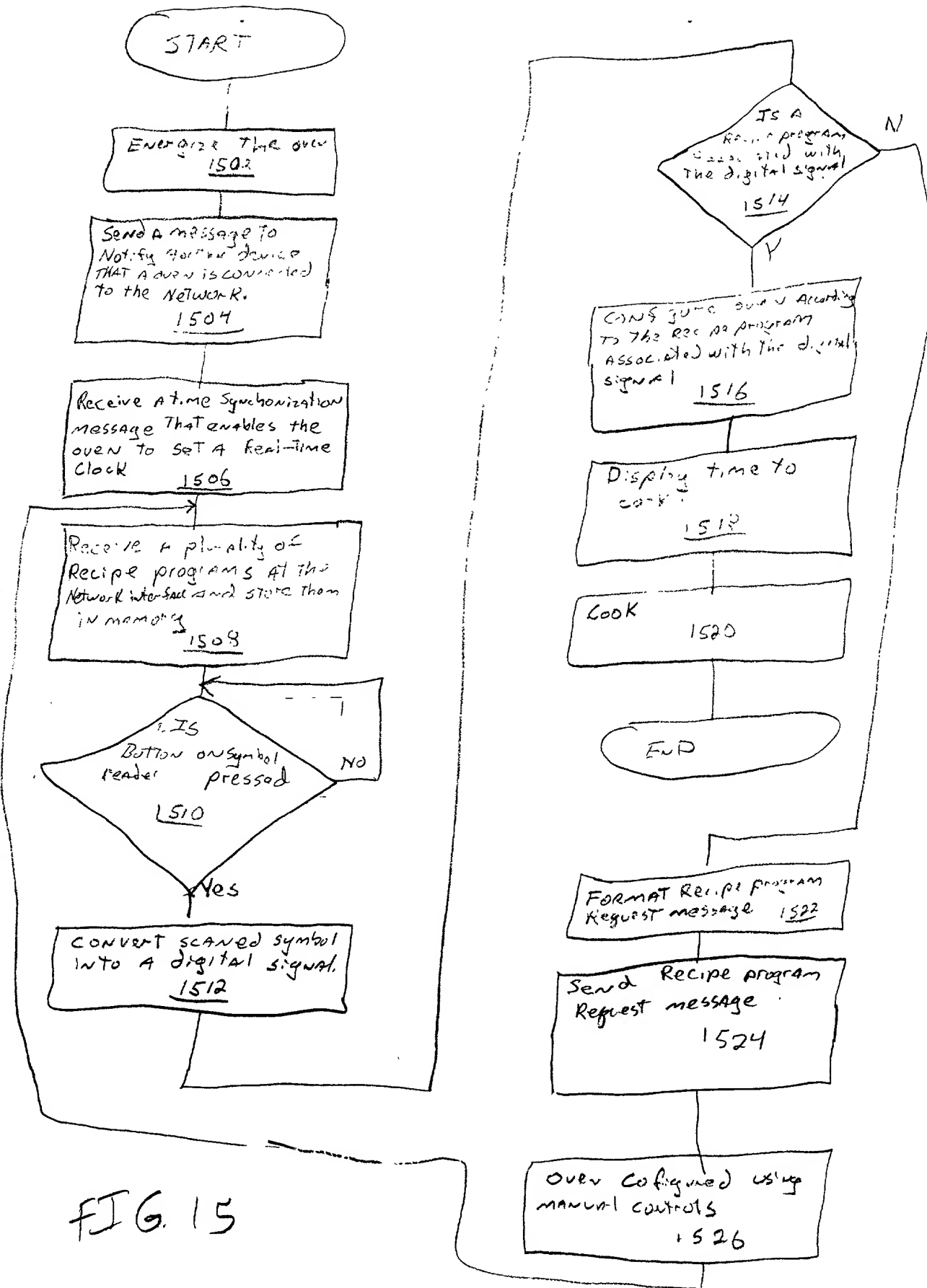


FIG. 15